ATTACHMENT B WELL COMPLETION OPERATION LOGS

		Civil & F	nvironm	ental Consult	ants, Inc.			
SI	UBJECT	Completion Operations - 1H	U				PROJECT NO.	181-983
PF	ROJECT -	JKLM Energy, LLC - Reese Ho	ollow 115	i			PAGE	1
	33	Potter County, Pennsylvania						
MA	ADE BY:	AD	DATE:	7/12/2019	CHECKED BY:	KW	DATE:	7/16/2019

Well Name	115 1HU
API Well Number	37-105-21869
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798042, -77.976973
Reporting Period	April 24, 2018, - May 1, 2018
Date and Time of Flowback Onset	April 24, 2018; 7:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	April 24, 2018; 4:00 PM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	May 1, 2018; 8:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 1, 2018; 8:30 AM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	May 1, 2018; 3:00 PM
Duration of Flowback (hr)	172.77
Duration of Recovery (hr) ²	164.27
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions:

	Civil & F	Environmo	ental Consult	ants, Inc.			
SUBJECT	Completion Operations - 2H	IU		***		PROJECT NO.	181-983
PROJECT	JKLM Energy, LLC - Reese H	ollow 115				PAGE	2
32	Potter County, Pennsylvania	3				= =	
MADE BY:	AD	DATE:	7/12/2019	CHECKED BY:	KW	DATE:	7/16/2019

Well Name	115 2HU
API Well Number	37-105-21870
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798083, -77.976973
Reporting Period	April 23, 2018, - May 1, 2018
Date and Time of Flowback Onset	April 23, 2018; 1:50 PM
Date and Time of Each Attempt to Direct Flowback to a Separator	April 24, 2018; 9:30 AM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	April 24, 2018; 4:00 PM
Date and Time of Each Attempt to Direct Flowback to a Separator	April 24, 2018; 4:00 PM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	May 1, 2018; 5:45 AM
Duration of Flowback (hr)	179.42
Duration of Recovery (hr) ²	159.75
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions:

	Civil & E	nvironmo	ental Consult	ants, Inc.			
SUBJECT	Completion Operations - 3HI	U				PROJECT NO.	181-983
PROJECT	JKLM Energy, LLC - Reese Ho	ollow 115				PAGE	3
	Potter County, Pennsylvania						
MADE BY:	AD	DATE:	7/12/2019	CHECKED BY:	KW	DATE:	7/16/2019

Well Name	115 3HU
API Well Number	37-105-21871
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798001, -77.976973
Reporting Period	May 1, 2018, - May 4, 2018
Date and Time of Flowback Onset	May 1, 2018; 11:20 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 1, 2018; 2:30 PM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	May 4, 2018; 8:30 AM
Duration of Flowback (hr)	69.17
Duration of Recovery (hr) ²	66.00
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions:

	Civ	il & Environment	al Consult	ants, Inc.			
SUBJECT	Completion Operations	s - 4HU				PROJECT NO.	181-983
PROJECT	JKLM Energy, LLC - Ree	ese Hollow 115				PAGE	4
Y=	Potter County, Pennsyl	vania					
MADE BY:	AD	DATE: 7/	/12/2019	CHECKED BY:	KW	DATE:	7/16/2019
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Well Name	115 4HU
API Well Number	37-105-21872
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798673, -77.976387
Reporting Period	May 2, 2018, - June 11, 2018
Date and Time of Flowback Onset	May 2, 2018; 9:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 2, 2018; 4:00 PM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	May 7, 2018; 11:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 7, 2018; 11:30 AM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	May 9, 2018; 12:00 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 9, 2018; 12:00 AM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	May 24, 2018; 12:00 PM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 24, 2018; 12:00 PM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	June 11, 2018; 10:00 AM
Duration of Flowback (hr)	955.52
Duration of Recovery (hr) ²	949.02
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions:

	Civil &	Environm	ental Consult	ants, Inc.			
SUBJECT	Completion Operations - 5H	HU				PROJECT NO.	181-983
PROJECT	JKLM Energy, LLC - Reese H	follow 115	i			PAGE	5
	Potter County, Pennsylvani	а					
MADE BY:	AD	DATE:	7/12/2019	CHECKED BY:	KW	DATE:	7/16/2019
3		***************************************		V			

Well Name	115 5HU
API Well Number	37-105-21873
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798673, -77.976387
Reporting Period	May 31, 2018, - June 12, 2018
Date and Time of Flowback Onset	May 31, 2018; 10:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 31, 2018; 1:00 PM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	June 12, 2018; 1:30 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	June 12, 2018; 1:30 AM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	June 12, 2018; 9:00 AM
Duration of Flowback (hr)	285.50
Duration of Recovery (hr) ²	283.00
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions:

\ \	Civil & E	nvironme	ental Consult	ants, Inc.			
SUBJECT	Completion Operations - 6H	U		20		PROJECT NO.	181-983
PROJECT	JKLM Energy, LLC - Reese Ho	ollow 115				PAGE	6
53	Potter County, Pennsylvania						
MADE BY:	AD	DATE:	7/12/2019	CHECKED BY:	KW	DATE:	7/16/2019

Well Name	115 6HU
API Well Number	37-105-21874
County and State	Potter County, PA
Municipality	Eulalia Township
Well Location	41.798673, -77.976387
Reporting Period	May 4, 2018, - May 31, 2018
Date and Time of Flowback Onset	May 4, 2018; 10:40 AM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 4, 2018; 3:30 PM
Date and Time of Each Occurrence of Returning to Initial Flowback ¹	May 8, 2018; 11:30 PM
Date and Time of Each Attempt to Direct Flowback to a Separator	May 8, 2018; 11:30 PM
Date and Time Well was Shut in and Flowback Equipment Permanently Disconnected OR Date and Time of Startup of Production	May 31, 2018; 8:00 AM
Duration of Flowback (hr)	644.33
Duration of Recovery (hr) ²	639.50
Type of Recovery ³	Routed to the gas flow line
Description of Why All the Types of Recovery Are Technically Infeasible 4	NA
If Recovery is Technically Infeasible and Exception ⁵ from Combustion Claimed	NA
Exception Claimed	NA
Start Date	NA
End Date	NA
Reason for exception	NA
Duration of Combustion (hr)	0
Duration of Venting (hr)	0
Reason for Venting in Lieu of Capture or Combustion	NA
Separator Located Onsite During Entire Flowback Period	Yes

Routed to the gas flow line or collection system,

Re-injected into the well or another well,

Used as an onsite fuel source, or

Used for another useful purpose that a purchased fuel or raw material would serve.

Name and location of the nearest gathering line and technical considerations preventing routing to this line,

Capture, re-injection, and reuse technologies considered and aspects of gas or equipment preventing use as a fuel onsite, and Technical considerations preventing use of recovered gas for other useful purpose that a purchased fuel or raw material would

Conditions that may result in a fire hazard or explosion, or

¹ Initial Flowback is the period which begins at the onset of flowback and ends when it is technically feasible for a separator to function

² Not required for wildcat well, delineation well, non-wildcat low pressure well, or non-delineation low pressure well.

³ Types of recovery:

⁴ Examples of information to be included in description of recovery being technically infeasible:

⁵ Types of exceptions: